CANNING.001CP2 PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant

Francis X. Canning

Appl. No.

10/619,796

Filed

July 15, 2003

For

SPARSE AND EFFICIENT

BLOCK FACTORIZATION FOR

INTERACTION DATA

Examiner

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Group Art Unit

2128

CERTIFICATE OF EFS WEB TRANSMISSION

I hereby certify that this correspondence, and any other attachment noted on the automated Acknowledgement Receipt, is being transmitted from within the Pacific Time zone to the Commissioner for Patents via the EFS Web server on:

August 20, 2008

(Date)

Lee W. Henderson Ph.D., Reg. No. 41,830

AMENDMENTS AND RESPONSE TO OFFICE ACTION DATED JUNE 20, 2008

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action dated June 20, 2008, Applicant respectfully submits the following amendments and comments in connection with the above-captioned application.

Amendments to the Claims are reflected in the listing of claims which begins on page 2 of this paper.

Remarks/Arguments begin on page 9 of this paper.